

=> fil reg; d que l11

FILE 'REGISTRY' ENTERED AT 09:21:33 ON 30 MAY 2002

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STRUCTURE FILE UPDATES: 28 MAY 2002 HIGHEST RN 422506-41-0

DICTIONARY FILE UPDATES: 28 MAY 2002 HIGHEST RN 422506-41-0

TSCA INFORMATION NOW CURRENT THROUGH July 7, 2001

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES  
for more information. See STNote 27, Searching Properties in the CAS  
Registry File, for complete details:

<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

L5 25 SEA FILE=REGISTRY ABB=ON AUAUCAUACCGACAUCAGUU|AACUGAUGUCGGUAUG  
AUAU/SQSN

L6 16 SEA FILE=REGISTRY ABB=ON UUCGAGAAGAACCGAGACGUGGCGGGC|GCCCGCCAC  
GUCUCGGUUCUUCUCGAA/SQSN

L8 509 SEA FILE=REGISTRY ABB=ON UCCACUGACGUAAGGGAUGACGCACAAU|AUUGUGCG  
UCAUCCCUUACGUCAGUGGA/SQSN

L9 27 SEA FILE=REGISTRY ABB=ON UAGGUUAAUUAUUGGCGGUAAUUA|UAAUUACCGCCA  
AUAUUAACCUA/SQSN

L11 15 SEA FILE=REGISTRY ABB=ON (L5 OR L6 OR L8 OR L9) AND SQL<101

=> d rn cn kwic nte l11 1-15; fil capl; s l11

L11 ANSWER 1 OF 15 REGISTRY COPYRIGHT 2002 ACS

RN 385167-93-1 REGISTRY

CN GenBank E13108 (9CI) (CA INDEX NAME)

SQL 98

SEQ 1 atctccactg acgtaaggga tgacgcacaa tccactatc cttegcaaga

HITS AT: 4-31

L11 ANSWER 2 OF 15 REGISTRY COPYRIGHT 2002 ACS

RN 385167-92-0 REGISTRY

CN GenBank AR130348 (9CI) (CA INDEX NAME)

SQL 98

SEQ 1 atctccactg acgtaaggga tgacgcacaa tccactatc cttegcaaga

HITS AT: 4-31

L11 ANSWER 3 OF 15 REGISTRY COPYRIGHT 2002 ACS

RN 382681-36-9 REGISTRY

CN 10: PN: W00196581 SEQID: 10 unclaimed DNA (9CI) (CA INDEX NAME)

SQL 67

SEQ 1 cggatatctc cactgacgta agggatgacg cacaatcaga tacataccaa

HITS AT: 9-36

L11 ANSWER 4 OF 15 REGISTRY COPYRIGHT 2002 ACS

RN 354752-53-7 REGISTRY  
CN GenBank AX207106 (9CI) (CA INDEX NAME)  
SQL 20

SEQ 1 atatcatacc gacatcagtt  
=====

HITS AT: 1-20  
NTE doublestranded

L11 ANSWER 5 OF 15 REGISTRY COPYRIGHT 2002 ACS  
RN 354752-21-9 REGISTRY  
CN GenBank AX207071 (9CI) (CA INDEX NAME)  
SQL 24

SEQ 1 taggttaatt attggcggta atta  
=====

HITS AT: 1-24  
NTE doublestranded

L11 ANSWER 6 OF 15 REGISTRY COPYRIGHT 2002 ACS  
RN 354752-05-9 REGISTRY  
CN GenBank AX207054 (9CI) (CA INDEX NAME)  
SQL 28

SEQ 1 tccactgacg taagggatga cgcacaat  
=====

HITS AT: 1-28  
NTE doublestranded

L11 ANSWER 7 OF 15 REGISTRY COPYRIGHT 2002 ACS  
RN 354752-00-4 REGISTRY  
CN GenBank AX207049 (9CI) (CA INDEX NAME)  
SQL 27

SEQ 1 ttcgagaaga accgagacgt ggcgggc  
=====

HITS AT: 1-27  
NTE doublestranded

L11 ANSWER 8 OF 15 REGISTRY COPYRIGHT 2002 ACS  
RN 352039-04-4 REGISTRY  
CN DNA, d(T-A-G-G-T-T-A-A-T-T-A-T-T-G-G-C-G-G-T-A-A-T-T-A) (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 24: PN: WO0153476 SEQID: 24 claimed DNA  
SQL 24

SEQ 1 taggttaatt attggcggta atta  
=====

HITS AT: 1-24

L11 ANSWER 9 OF 15 REGISTRY COPYRIGHT 2002 ACS  
RN 352039-03-3 REGISTRY  
CN DNA, d(T-C-C-A-C-T-G-A-C-G-T-A-A-G-G-G-A-T-G-A-C-G-C-A-C-A-A-T) (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 7: PN: WO0153476 SEQID: 7 claimed DNA  
SQL 28

SEQ 1 tccactgacg taagggatga cgcacaat  
=====

HITS AT: 1-28

L11 ANSWER 10 OF 15 REGISTRY COPYRIGHT 2002 ACS  
RN 352039-02-2 REGISTRY  
CN DNA, d(T-T-C-G-A-G-A-A-G-A-A-C-C-G-A-G-A-C-G-T-G-G-C-G-G-G-C) (9CI) (CA INDEX NAME)

## OTHER NAMES:

CN 2: PN: WO0153476 SEQID: 2 claimed DNA

SQL 27

SEQ 1 ttogagaaga accgagacgt ggcgggc  
=====

HITS AT: 1-27

L11 ANSWER 11 OF 15 REGISTRY COPYRIGHT 2002 ACS  
RN 352039-00-0 REGISTRY  
CN DNA, d(A-T-A-T-C-A-T-A-C-C-G-A-C-A-T-C-A-G-T-T) (9CI) (CA INDEX NAME)

## OTHER NAMES:

CN 59: PN: WO0153476 SEQID: 59 claimed DNA

SQL 20

SEQ 1 atatcatacc gacatcagtt  
=====

HITS AT: 1-20

L11 ANSWER 12 OF 15 REGISTRY COPYRIGHT 2002 ACS

RN 290206-22-3 REGISTRY

CN GenBank AX026712 (9CI) (CA INDEX NAME)

SQL 50

SEQ 1 tccactgacg taagggatga cgcacaatcc cactatcctt cgcaagaccc  
=====

HITS AT: 1-28

L11 ANSWER 13 OF 15 REGISTRY COPYRIGHT 2002 ACS

RN 280592-47-4 REGISTRY

CN 15: PN: WO0039300 SEQID: 14 unclaimed DNA (9CI) (CA INDEX NAME)

SQL 50

SEQ 1 tccactgacg taagggatga cgcacaatcc cactatcctt cgcaagaccc  
=====

HITS AT: 1-28

NTE singlestranded

L11 ANSWER 14 OF 15 REGISTRY COPYRIGHT 2002 ACS

RN 187250-12-0 REGISTRY

CN DNA, d(A-T-C-T-C-C-A-C-T-G-A-C-G-T-A-A-G-G-G-A-T-G-A-C-G-C-A-C-A-A-T-C-C-C-A-C-T-A-T-C-C-T-T-C-G-C-A-A-G-A-C-C-C-T-T-C-C-T-C-T-A-T-A-T-A-A-G-G-A-A-G-T-T-C-A-T-T-T-G-G-A-G-A-G-G-A-C-A-C-G-C-T-G), double-stranded complementary (9CI) (CA INDEX NAME)

## OTHER CA INDEX NAMES:

CN Deoxyribonucleic acid, d(A-T-C-T-C-C-A-C-T-G-A-C-G-T-A-A-G-G-G-A-T-G-A-C-G-C-A-C-A-A-T-C-C-C-A-C-T-A-T-C-C-T-T-C-G-C-A-A-G-A-C-C-C-T-T-C-C-T-C-T-A-T-A-T-A-A-G-G-A-A-G-T-T-C-A-T-T-T-G-G-A-G-A-G-G-A-C-A-C-G-C-T-G), double-stranded complementary

CN DNA, d(C-A-G-C-G-T-G-T-C-C-T-C-T-C-C-A-A-A-T-G-A-A-A-T-G-A-A-C-T-T-C-C-T-T-A-T-A-T-A-G-A-G-G-A-A-G-G-G-T-C-T-T-G-C-G-A-A-G-G-A-T-A-G-T-G-G-G-A-T-T-G-T-G-C-G-T-C-A-T-C-C-C-T-T-A-C-G-T-C-A-G-T-G-G-A-G-A-T), double-stranded complementary (9CI)

## OTHER NAMES:

CN 3: PN: US6187996 SEQID: 3 unclaimed DNA

CN DNA (synthetic clone pGbox10 35S promoter derivative)

SQL 98

SEQ 1 atctccactg acgtaaggga tgacgcacaa tccactatc cttegcaaga

=====

HITS AT: 4-31

L11 ANSWER 15 OF 15 REGISTRY COPYRIGHT 2002 ACS  
RN 148522-43-4 REGISTRY  
CN DNA (cauliflower mosaic virus clone pYELJ0 35S promoter region-containing  
91-nucleotide fragment) (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Deoxyribonucleic acid (cauliflower mosaic virus clone pYELJ0 35S promoter  
region-containing 91-nucleotide fragment)  
SQL 91

SEQ 1 tatctccact gacgtaaggg atgacgcaca atcccactat ccttcgcaag  
=====

HITS AT: 5-32  
NTE doublestranded

FILE 'CAPLUS' ENTERED AT 09:21:54 ON 30 MAY 2002  
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FILE COVERS 1907 - 30 May 2002 VOL 136 ISS 22  
FILE LAST UPDATED: 28 May 2002 (20020528/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

L12 6 L11

=> d ibib ab hitrn 112 1-6

L12 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 2001:924019 CAPLUS  
DOCUMENT NUMBER: 136:49308  
TITLE: Use of plant and microbial inducer/repressor/operator system for time- and tissue-specific expression of heterologous genes in plants  
INVENTOR(S): Shinmyo, Atsuhiko; Kato, Kou; Yamada, Yasuhiro; Nihira, Takuya; Shindo, Takuya  
PATENT ASSIGNEE(S): Kaneka Corporation, Japan  
SOURCE: PCT Int. Appl., 57 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent

Searched by Barb O'Bryen, STIC 308-4291

LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001096581	A1	20011220	WO 2001-JP5096	20010615

W: AU, CA, CN, JP, RU, US

PRIORITY APPLN. INFO.: JP 2000-180466 A 20000615

AB A method of inducing the expression of a heterologous gene (transgene) in plants under the regulation of an operator at an actinomycetes autoregulator site, by expressing a repressor and an operator constituting a gene expression inducing system in plants by gene transfer, and then providing the actinomycetes autoregulator, as inducer, is disclosed. Transformation of tobacco plants with Streptomyces virginiae autoregulator virginiae butanolide (VB) inducer system repressor BarA gene along with BarA-binding DNA sequences (BarA-responsive elements [BAREs]), and .beta.-glucuronidase (GUS) reporter gene under the regulation of cauliflower mosaic virus (CaMV) 35S promoter or Nicotiana tabacum alc. dehydrogenase (NtADH) promoter,.

IT 382681-36-9

RL: PRP (Properties)

(unclaimed nucleotide sequence; use of plant and microbial inducer/repressor/operator system for time- and tissue-specific expression of heterologous genes in plants)

REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2001:545850 CAPLUS

DOCUMENT NUMBER: 135:133111

TITLE: Sequences of synthetic plant multimeric promoter element regions (SMPERs) and their uses

INVENTOR(S): Bruce, Wesley B.; Niu, Xiping

PATENT ASSIGNEE(S): Pioneer Hi-Bred International, Inc., USA

SOURCE: PCT Int. Appl., 67 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001053476	A2	20010726	WO 2001-US2024	20010119
WO 2001053476	A3	20020131		

W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

US 2001047092 A1 20011129 US 2001-766399 20010119

PRIORITY APPLN. INFO.: US 2000-177437P P 20000121

AB The present invention discloses compns. of novel nucleotide sequences of SMPERs, which are the specific combinations of promoter elements PCNA IIA, GT-2, ABRE1, As-1 and DRE1, and methods for regulating expression of heterologous nucleotide sequences via plant promoters comprising at least one SMPERs in a plant. Methods for expressing a heterologous nucleotide sequence in a plant using the promoter sequences are provided. The



methods comprise transforming a plant cell with a heterologous nucleotide sequence operably linked to the promoters contg. the SMPERs and regenerating a stably transformed plant from the transformed plant cell.

IT 352039-00-0P 352039-02-2P 352039-03-3P  
352039-04-4P

RL: AGR (Agricultural use); BUU (Biological use, unclassified); PRP (Properties); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(nucleotide sequence; Sequences of synthetic plant multimeric promoter element regions (SMPERs) and their uses)

L12 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2001:111555 CAPLUS

DOCUMENT NUMBER: 134:144711

TITLE: Insertion of a G-box element into promoter to increase the expression of target genes in transgenic plant

INVENTOR(S): Ishige, Fumiharu; Chua, Nam-hai; Oeda, Kenji

PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan; The Rockefeller University

SOURCE: U.S., 15 pp.

CODEN: USXXAM

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6187996	B1	20010213	US 1996-680116	19960715
JP 09131187	A2	19970520	JP 1996-145492	19960607
PRIORITY APPLN. INFO.:			JP 1995-178730	A 19950714
			JP 1995-227967	A 19950905
			JP 1996-145492	A 19960607

AB The present invention provides a process to construct recombinant promoters in plasmids pGbox10 and pGbox11 which increase the expression level of target genes in transgenic plant. The promoter comprises 4 tandem enhancer G-box elements, Gbox10 or Gbox11, in the upstream of promoter translation initiation site and a transcription terminator functional in plant cells. The plasmid pGbox10 and pGbox11 comprise the recombinant promoter, a structural gene and transcription terminator functional in plant cells. The transgenic plants expressing reporter gene under the control of recombinant promoter showed increased expression of structure gene in different tissues.

IT 187250-12-0

RL: PRP (Properties)

(unclaimed nucleotide sequence; insertion of a G-box element into promoter to increase the expression of target genes in transgenic plant)

REFERENCE COUNT: 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2000:457212 CAPLUS

DOCUMENT NUMBER: 133:85125

TITLE: A chemically inducible expression system for eukaryotes using the OHP system of Rhodococcus

INVENTOR(S): Turck, Jutta Anna; Archer, John Anthony Charles

PATENT ASSIGNEE(S): Advanced Technologies (Cambridge) Ltd., UK

SOURCE: PCT Int. Appl., 117 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

Searched by Barb O'Bryen, STIC 308-4291

## PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000039300	A1	20000706	WO 1999-GB4333	19991221
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
EP 1141307	A1	20011010	EP 1999-962383	19991221
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				

## PRIORITY APPLN. INFO.:

GB 1998-28660 A 19981224  
WO 1999-GB4333 W 19991221

AB A chem. inducible gene expression system for eukaryotes, esp. plants, that uses elements of the o-hydroxyphenylpropionic acid (OHP) utilization operon of *Rhodococcus corallina* (*Nocardia corallina*) is described. The system uses a promoter regulated by the OHP-responsive transcriptional activator ohpR to activate expression through its cognate C1 element. The ohpR gene is expressed from a host promoter, which may be constitutive or regulated. Various domain regions and complementary response elements are also described.

IT 280592-47-4

RL: PRP (Properties)

(unclaimed nucleotide sequence; chem. inducible expression system for eukaryotes using the OHP system of *Rhodococcus*)

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1997:181126 CAPLUS

DOCUMENT NUMBER: 126:167483

TITLE: Derivatives of the cauliflower mosaic virus minimal 35S promoter for high level expression of foreign genes in plant cells

INVENTOR(S): Ishige, Fumiharu; Chua, Nam-Hai; Oeda, Kenji

PATENT ASSIGNEE(S): Sumitomo Chemical Company, Limited, Japan

SOURCE: Eur. Pat. Appl., 19 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

## PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 754757	A2	19970122	EP 1996-111265	19960712
EP 754757	A3	19991229		
R: DE, FR, GB, NL				
JP 09131187	A2	19970520	JP 1996-145492	19960607
CA 2181204	AA	19970115	CA 1996-2181204	19960715

## PRIORITY APPLN. INFO.:

JP 1995-178730 A 19950714  
JP 1996-145492 A 19960607  
JP 1995-227967 A 19950905

AB Promoters derived from the minimal 35S promoter of Cauliflower mosaic virus that can be regulated and that can express genes under their control to high levels are described. These promoters use sequences derived from the -90 to +8 region of the 35S promoter in combination with other domains

of the 35S promoter or of other promoters and optionally using oligomers of the minimal 35S sequence. Use of the promoter to drive expression of a .beta.-glucuronidase reporter gene in tobacco is demonstrated.

IT 187250-12-0

RL: AGR (Agricultural use); BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
(nucleotide sequence, in 35S promoter-based expression constructs; derivs. of cauliflower mosaic virus minimal 35S promoter for high level expression of foreign genes in plant cells)

L12 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1993:442621 CAPLUS

DOCUMENT NUMBER: 119:42621

TITLE: The cauliflower mosaic virus 35S promoter is regulated by cAMP in *Saccharomyces cerevisiae*

AUTHOR(S): Rueth, J.; Hirt, H.; Schweyen, R. J.

CORPORATE SOURCE: Inst. Microbiol. Genet., Univ. Vienna, Vienna, A-1030, Austria

SOURCE: Mol. Gen. Genet. (1992), 235(2-3), 365-72

CODEN: MGGEAE; ISSN: 0026-8925

DOCUMENT TYPE: Journal

LANGUAGE: English

AB The cauliflower mosaic virus 35S promoter confers strong gene expression in plants, animals and fission yeast, but not in budding yeast. On investigating this paradox, the authors found that in budding yeast the promoter acts through two domains. Whereas the upstream domain acts as a silencer, the downstream domain couples expression to the nutritional state of the cells via the RAS/cAMP pathway. Point mutations indicate that two boxes with similarity to the cAMP regulated element (CRE) of mammalian cells mediate this response. Gel retardation assays show that, in both yeast and plant protein exts., factors bind to this promoter element. Therefore, transcriptional activation appears to be highly conserved at the level of transcription factors and specific DNA target elements in eukaryotes. This offers new ways to investigate gene regulation mechanisms of higher eukaryotes, which are not as amenable to genetic anal. as yeast.

IT 148522-43-4

RL: BIOL (Biological study)

(nucleotide sequence and cAMP-mediated regulation in *Saccharomyces cerevisiae* of)



=> fil reg; d que l10

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STRUCTURE FILE UPDATES: 28 MAY 2002 HIGHEST RN 422506-41-0

DICTIONARY FILE UPDATES: 28 MAY 2002 HIGHEST RN 422506-41-0

TSCA INFORMATION NOW CURRENT THROUGH July 7, 2001

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES  
for more information. See STNote 27, Searching Properties in the CAS

Registry File, for complete details:

<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

L5 25 SEA FILE=REGISTRY ABB=ON AUAUCAUACCGACAUCAGUU|AACUGAUGUCGGUAUG  
AUAU/SQSN  
L6 16 SEA FILE=REGISTRY ABB=ON UUCGAGAAGAACCGAGACGUGGCGGGC|GCCCCCCAC  
GUCUCGGUUCUUCUGGAA/SQSN  
L8 509 SEA FILE=REGISTRY ABB=ON UCCACUGACGUAAGGGAUGACGCACAAU|AUUGUGCG  
UCAUCCCUUACGUCAGUGGA/SQSN  
L9 27 SEA FILE=REGISTRY ABB=ON UAGGUUAAUUAUUGGCGGUAAUUA|UAAUUACCGCCA  
AUAUUAACCUA/SQSN  
L10 6 SEA FILE=REGISTRY ABB=ON L5 AND L6 AND L8 AND L9

=> d rn cn sql kwic nte l10 1-6

L10 ANSWER 1 OF 6 REGISTRY COPYRIGHT 2002 ACS

RN 391022-67-6 REGISTRY

CN GenBank AX207114 (9CI) (CA INDEX NAME)

SQL 314

SEQ 1 tagcatatca taccgacatc agtttagcat atcataccga catcagttta  
=====   
51 gctccactga cgtaaggat gacgcacaat tagccgaggt gggcccgtag  
=====   
101 gtgggcccgt attagcttcg agaagaaccg agacgtggcg ggctagccga  
=====   
201 gcgggctagc atatcatacc gacatcagtt tagctaggtt aattattggc  
=====   
251 ggtaattata gctaggttaa ttattggcgg taattatagc ttcgagaaga  
=====

HITS AT: 5-24, 29-48, 53-80, 117-143, 211-230, 235-258, 263-286

L10 ANSWER 2 OF 6 REGISTRY COPYRIGHT 2002 ACS

RN 391022-66-5 REGISTRY

CN GenBank AX207113 (9CI) (CA INDEX NAME)

SQL 392

SEQ 1 gctaaactga tgtcggtagt atatgctagc ccgccacgtc toggttcttc  
=====   
51 tcgaagctaa actgatgtcg gtagtatatg ctaattgtgc gtcattccctt  
=====   
101 acgtcagtg agctagcccg ccacgtctcg gttcttctcg aagctaaact

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=====
151 gatgtcggta tgatatgcta taattaccgc caataattaa cctagctaata
=====
201 tgtgcgcat cccttacgct agtggagcta aactgatgct ggtagatatg
=====
301 cgggccacc tcggctaaac tgatgtcggg atgatatgct aattgtgcgt
=====
351 catcccttac gtcagtggag cttaaactgat gtcggtatga ta
=====
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HITS AT: 5-24, 29-55, 60-79, 84-111, 116-142, 147-166, 171-194,  
199-226, 318-337, 342-369

L10 ANSWER 3 OF 6 REGISTRY COPYRIGHT 2002 ACS  
RN 391022-65-4 REGISTRY  
CN GenBank AX207112 (9CI) (CA INDEX NAME)  
SQL 413

```
SEQ      1 taggttaatt tattgggcgg taattatagc ttcgagaaga accgagacgt
=====
      51 ggcgggctag cttcgagaag aaccgagacg tggcgggcta gctagggttaa
=====
     101 ttattggcgg gtaattatag ctccactgac gtaagggatg acgcacaatt
=====
     151 agctagggtta attattggcg ataattatag ctaggttaat tattggcggt
=====
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HITS AT: 31-57, 62-88, 122-149, 182-205, 210-229, 234-257,  
262-281, 286-305, 310-337, 342-361, 366-385

L10 ANSWER 4 OF 6 REGISTRY COPYRIGHT 2002 ACS  
RN 352038-94-9 REGISTRY  
CN DNA (synthetic plant multimeric promoter element A23-containing fragment)  
(9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN 67: PN: WO0153476 SEQID: 67 claimed DNA  
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L10 ANSWER 5 OF 6 REGISTRY COPYRIGHT 2002 ACS  
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CN DNA (synthetic plant multimeric promoter element A18-containing fragment)  
(9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN 66: PN: WO0153476 SEQID: 66 claimed DNA  
SQL 392

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199-226, 318-337, 342-369

L10 ANSWER 6 OF 6 REGISTRY COPYRIGHT 2002 ACS

RN 352038-92-7 REGISTRY

CN DNA (synthetic plant multimeric promoter element A15-containing fragment)  
(9CI) (CA INDEX NAME)

OTHER NAMES:

CN 65: PN: W00153476 SEQID: 65 claimed DNA

SQL 413

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HITS AT: 31-57, 62-88, 122-149, 182-205, 210-229, 234-257,  
262-281, 286-305, 310-337, 342-361, 366-385

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FILE LAST UPDATED: 28 May 2002 (20020528/ED)

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L13 1 L10

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L13 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2001:545850 CAPLUS

DOCUMENT NUMBER: 135:133111

TITLE: Sequences of synthetic plant multimeric promoter element regions (SMPERs) and their uses

INVENTOR(S): Bruce, Wesley B.; Niu, Xiping

PATENT ASSIGNEE(S): Pioneer Hi-Bred International, Inc., USA

SOURCE: PCT Int. Appl., 67 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001053476	A2	20010726	WO 2001-US2024	20010119
WO 2001053476	A3	20020131		

W: AE, AL, AM, AT; AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

US 2001047092 A1 20011129 US 2001-766399 20010119

PRIORITY APPLN. INFO.: US 2000-177437P P 20000121

AB The present invention discloses compns. of novel nucleotide sequences of SMPERs, which are the specific combinations of promoter elements PCNA IIA, GT-2, ABRE1, As-1 and DRE1, and methods for regulating expression of heterologous nucleotide sequences via plant promoters comprising at least one SMPERs in a plant. Methods for expressing a heterologous nucleotide sequence in a plant using the promoter sequences are provided. The methods comprise transforming a plant cell with a heterologous nucleotide sequence operably linked to the promoters contg. the SMPERs and regenerating a stably transformed plant from the transformed plant cell.

IT 352038-92-7P 352038-93-8P 352038-94-9P

RL: AGR (Agricultural use); BUU (Biological use, unclassified); PRP (Properties); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(nucleotide sequence; Sequences of synthetic plant multimeric promoter element regions (SMPERs) and their uses)

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☐ 1: AX207114. Sequence 67 from ...[gi:15394916]

Taxonomy

LOCUS AX207114 314 bp DNA linear PAT 30-AUG-2001  
DEFINITION Sequence 67 from Patent WO0153476.  
ACCESSION AX207114  
VERSION AX207114.1 GI:15394916  
KEYWORDS  
SOURCE synthetic construct.  
ORGANISM synthetic construct  
artificial sequence.  
REFERENCE 1 (bases 1 to 314)  
AUTHORS Bruce, W.B. and Niu, X.  
TITLE Novel plant promoters and methods of use  
JOURNAL Patent: WO 0153476-A 67 26-JUL-2001;  
PIONEER HI-BRED INTERNATIONAL, INC. (US)  
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Revised: October 24, 2001.

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☐ 1: AX207113. Sequence 66 from ...[gi:15394915]

Taxonomy

LOCUS AX207113 392 bp DNA linear PAT 30-AUG-2001

DEFINITION Sequence 66 from Patent WO0153476.

ACCESSION AX207113

VERSION AX207113.1 GI:15394915

KEYWORDS

SOURCE synthetic construct.

ORGANISM synthetic construct

artificial sequence.

REFERENCE 1 (bases 1 to 392)

AUTHORS Bruce, W.B. and Niu, X.

TITLE Novel plant promoters and methods of use

JOURNAL Patent: WO 0153476-A 66 26-JUL-2001;

PIONEER HI-BRED INTERNATIONAL, INC. (US)

FEATURES

Location/Qualifiers

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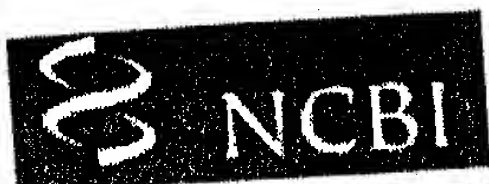
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Revised: October 24, 2001.

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## Nucleotide

PubMed	Nucleotide	Protein	Genome	Structure	PopSet	Taxonomy	OMIM	Book
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Taxonomy

☐ 1: AX207112. Sequence 65 from ...[gi:15394913]

LOCUS AX207112 413 bp DNA linear PAT 30-AUG-2001

DEFINITION

ACCESSION

VERSION

KEYWORDS

SOURCE

ORGANISM

REFERENCE

AUTHORS

TITLE

JOURNAL

FEATURES

source

BASE COUNT

ORIGIN

AX207112  
Sequence 65 from Patent WO0153476.  
AX207112  
AX207112.1 GI:15394913  
synthetic construct.  
synthetic construct  
artificial sequence.  
1 (bases 1 to 413)  
Bruce, W.B. and Niu, X.  
Novel plant promoters and methods of use  
Patent: WO 0153476-A 65 26-JUL-2001;  
PIONEER HI-BRED INTERNATIONAL, INC. (US)  
Location/Qualifiers  
1..413  
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